

ERMAK FIBERMAK SM 4000.3 x 1,5 (1125-7255)



Control type
CNC

Construction year
NEU

Machine no.
1125-7255

Make
ERMAK

Furnishing:

- MOMENTUM GEN - 2 fiber laser cutting machines 3,000 x 1,500 mm
- Ytterbium YLS 4000 compact resonator (4 kW)
- PRECITEC PROCUTTER laser cutting head
- CAD / CAM software BECKHOFF - Controller CP 6242
- 17" touchscreen, keyboard, control panel, alphanumeric keyboard
- Collective conveyor under the cutting table
- additional loading unit

Cutting capacities:

- normal steel ... 20 mm
- stainless steel ... 12 mm
- aluminum ... 10 mm
- brass ... 6.0 mm
- Copper ... 5.0 mm

Workspace:

- max .: 3,000 x 1,500 mm

Axes:

- Machine axes: 4 axes (X, Y, Z, U)
- max.axis speed: 100 m / min (simulated)
- Axis speed X / Y: 100 m / min (single)
- Positioning accuracy: + - 0.03 mm / min
- Burning height: 125 - 200 mm

Loading table:

- Number of pieces 2 (35 seconds for changing)
- automatic change of tables

assisting gases:

- mild steel - oxygen (0.5 - 25 bar)
- stainless steel - nitrogen (0.5 - 25 bar)
- Aluminum - compressed air or nitrogen (0.5 - 25 bar)

included :

- Compatible suction system
- Light barrier safety device
- Spare part basic supply package

Why Fiberlak / Fiberlaser?

- Up to 3 times faster cutting compared to other laser technologies
- Machines for cutting thin sheets
- Axis speed: reach up to 141 m / min.
- Accelerations up to 2G
- Fiber laser is the green laser technology
- Saving of at least 50% energy costs)
- There is no need for laser gas mixing
- There is no need for optical components
- therefore, among other things, very low-maintenance
- Save up to 50% per part through more efficient production
- Extended options: cutting reflective materials
- * like aluminum, copper, brass etc.,
- In addition, precise cuts and smooth surface quality
- Heavy-duty constructed frame

- equipped with world-famous, durable, high-quality components
- Creative design, constant, highest technology and quality
- High reliability
- High efficiency
- High quality
- CE declaration

Machine attributes

table length:	3000 mm
table width:	1500 mm
burner heads:	Precitec ProCutter
laser capacity in Watt:	4000
x-axis:	3050 mm
z-axis:	150 mm
y-axis:	1550 mm
total power requirement:	22 kW
dimensions:	9190 x 3710 x 2200 mm
weight of the machine ca.:	11200 kg

Machine images





